

### Claims

1. Process for the depolymerization of glycosaminoglycans to obtain depolymerised glycosaminoglycans having a  $M_w$  equal to or lower than 50% of the original  $M_w$  prior to depolymerization, characterized by the use of UV radiation having a peak in the range from 245 nm to 260 nm
2. Process according to claim 1 wherein the source of UV radiation is a medium or low pressure Hg lamp.
3. Process according to claims 1-2 wherein the UV radiation has a prevalent emission band at 253 nm.
4. Process according to claims 1-3 wherein the glycosaminoglycane is heparin.
5. Process according to claims 1-3 wherein the glycosaminoglycane is dermatansulphate.
6. Process according to claims 1-5 wherein the solution subjected to depolymerization is kept at a temperature comprised between 0 and 70 °C.
7. Depolymerized glycosaminoglycane obtainable according to the process of claims 1-6